CLAIMS

1. Compositions of fluids for preparing polymeric foams, preferably polyurethane foams, comprising:

- HFC 365mfc from 5 to 8 parts by weight/100 parts of polymeric foam;
- one or more fluorinated compounds, liquid at room temperature and having boiling point from 50°C to 150°C, preferably from 60°C to 130°C, and having formula

$$R'-R_f-R \quad (I)$$

wherein:

R' is $-(O)_{n0}-C_nF_{2n}H$, $-(O)_{n0}-C_nH_{2n+1}$, n being an integer from 1 to 4, preferably 1 or 2; n0 is equal to 0, 1;

R is: $-C_nF_{2n}H$, $-C_mF_{2m+1}$; wherein

- in the end groups R, R' one fluorine atom is optionally substituted with one chlorine atom;
- n is as above; m is an integer from 1 to 3;

R_f is:

- linear or branched when possible perfluoroalkylene, from 2 to 12 carbon atoms, preferably from 3 to 12 carbon atoms,

containing at least one ether oxygen atom, when R_f has this meaning n0 in R' is preferably equal to zero;

- perfluoropolyoxyalkylene comprising units statistically distributed in the chain, the chain being formed of at least two carbon atoms, said units selected from at least one of the following:
  - (CFXO) wherein X = F or CF_3;
  - $(CF_2(CF_2)_dO)$ wherein d is an integer comprised between 1 and 3;
  - (C_3F_6O);

when R_f is perfluoropolyoxyalkylene n0 in R' is preferably equal to 1.

2. Compositions according to claim 1, wherein the ratio by weight of the compounds of formula (I) to the HFC 365mfc weight ranges from 0.005 to 0.1, preferably from 0.01 to 0.08.

3. Compositions according to claims 1-2, wherein for polyurethane foams, the amount of the compounds of formula (I) ranges from 0.2 to 1.5 parts by weight referred to 100 parts by weight of polyol and HFC 365mfc amount ranges from 20 to 25 parts by weight/100 parts by weight of polyol.

4. Compositions according to claims 1-3, wherein the compounds of formula (I) have a molecular weight from 230 to 500, preferably from 250 to 450.

5. Compositions according to claims 1-4, wherein the (C_3F_6O) unit in R_f of formula (I) is selected between $(CF_2CF(CF_3)O)$ or $(CF(CF_3)CF_2O)$.

6. Compositions according to claims 1-5, wherein in formula (I) R is a group selected from the following: $-CF_2H$, $-CF_2CF_2H$ or $-CFHCF_3$.

7. Compositions according to claims 1-6, wherein in formula (I) n0 of R' equal to 1, R_f is a (per)fluoropolyether chain selected from the following structures:

1) $-(CF_2O)_a-(CF_2CF_2O)_b-$

a and b being integers; when a is different from zero, then b/a is comprised between 0.3 and 10, extremes included; when a is equal to zero b is an integer as defined below;

with R in formula (I) = $-C_nF_{2n}H$;

2) $-(CF_2-(CF_2)_{z'}-CF_2O)_{b'}-$

wherein z' is an integer equal to 1 or 2; b' is as defined below;

3) $-(C_3F_6O)_r-(C_2F_4O)_b-(CFL_0O)_t-$

L_0 = -F, $-CF_3$;

r, b and t being integers; when b and t are diffe-

rent from zero r/b = 0.5-2.0, (r+b)/t = 10-30 and all the units having r, b, and t indexes are present;

or b = t = 0 and r satisfies the proviso indicated below;

or b = 0 and r and t are different from zero;

a, b, b', r, t, are integers whose sum is such that the compound of formula (I) containing the bivalent R_f radical has boiling point in the above range.

8. Compositions according to claims 1-7, wherein the fluids of formula (I) are selected from the following:

- $HCF_2O(CF_2CF_2O)_{1,8}(CF_2O)_{1,4}CF_2H$
- $HCF_2O(CF_2CF_2O)_2(CF_2O)_{0,7}CF_2H$
- $HCF_2O(CF_2CF_2O)_3(CF_2O)_{0,4}CF_2H$
- $CF_3O(CF_2CF_2O)_2CF_2H$
- $CF_3O(CF_2CF_2O)_2(CF_2O)CF_2H$
- $CF_3O(CF_2CF(CF_3)O)_2CF_2H$
- $HCF_2CF_2O(CF_2CF_2O)CF_2CF_2H$
- $HCF_2CF_2OCF_2C(CF_3)_2CF_2OCF_2CF_2H$
- $CF_3(CF_2)_5OCF_2CF_2H$
- $CF_3(CF_2)_6OCF_2H$
- $HCF_2O(CF_2O)(CF_2CF_2O)CF_2H$
- $HCF_2O(CF_2O)(CF_2CF_2O)_2CF_2H$
- $HCF_2O(CF_2CF_2O)_2CF_2H$

- $HCF_2O(CF_2O)_2(CF_2CF_2O)CF_2H$
- $CF_3(CF_2)_3OCH_3$
- $CF_3(CF_2)_3OC_2H_5$
- $CF_3(CF_2)_6OC_2H_5$

9. Compositions according to claim 8, wherein the fluids of formula (I) are selected from the following: $HCF_2O(CF_2O)(CF_2CF_2O)CF_2H$, $HCF_2O(CF_2O)(CF_2CF_2O)_2CF_2H$, $HCF_2O(CF_2CF_2O)_2CF_2H$, $HCF_2O(CF_2O)_2(CF_2CF_2O)CF_2H$, $CF_3(CF_2)_3OCH_3$, $CF_3(CF_2)_3OC_2H_5$, $CF_3(CF_2)_6OC_2H_5$.

10. Compositions according to claims 1-9, wherein the HFC 365mfc amount is substituted, up to 50% by weight of HFC 365mfc, by co-foaming agents selected from the following:
    - hydrofluorocarbons selected from HFC 134a 1,1,1,2 tetrafluoroethane CH_2F-CF_3, HFC 227ea 1,1,1,2,3,3,3 heptafluoropropane $CF_3-CHF-CF_3$;
    - hydrocarbons having 5-6 carbon atoms, selected from the following: n-pentane, cyclopentane, isopentane, n-hexane.

11. Polymeric foams, preferably polyurethane foams, containing in per cent by weight on the total, from 5 to 10% of the compositions of claims 1-10.

12. Foams according to claim 11, selected between the polyurethane or thermoplastic foams.

13. Use of the compositions according to claims 1-10 to pre-

pare polymeric foams, preferably polyurethane foams.